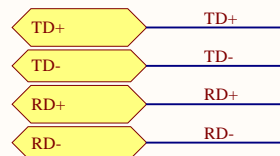
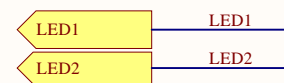
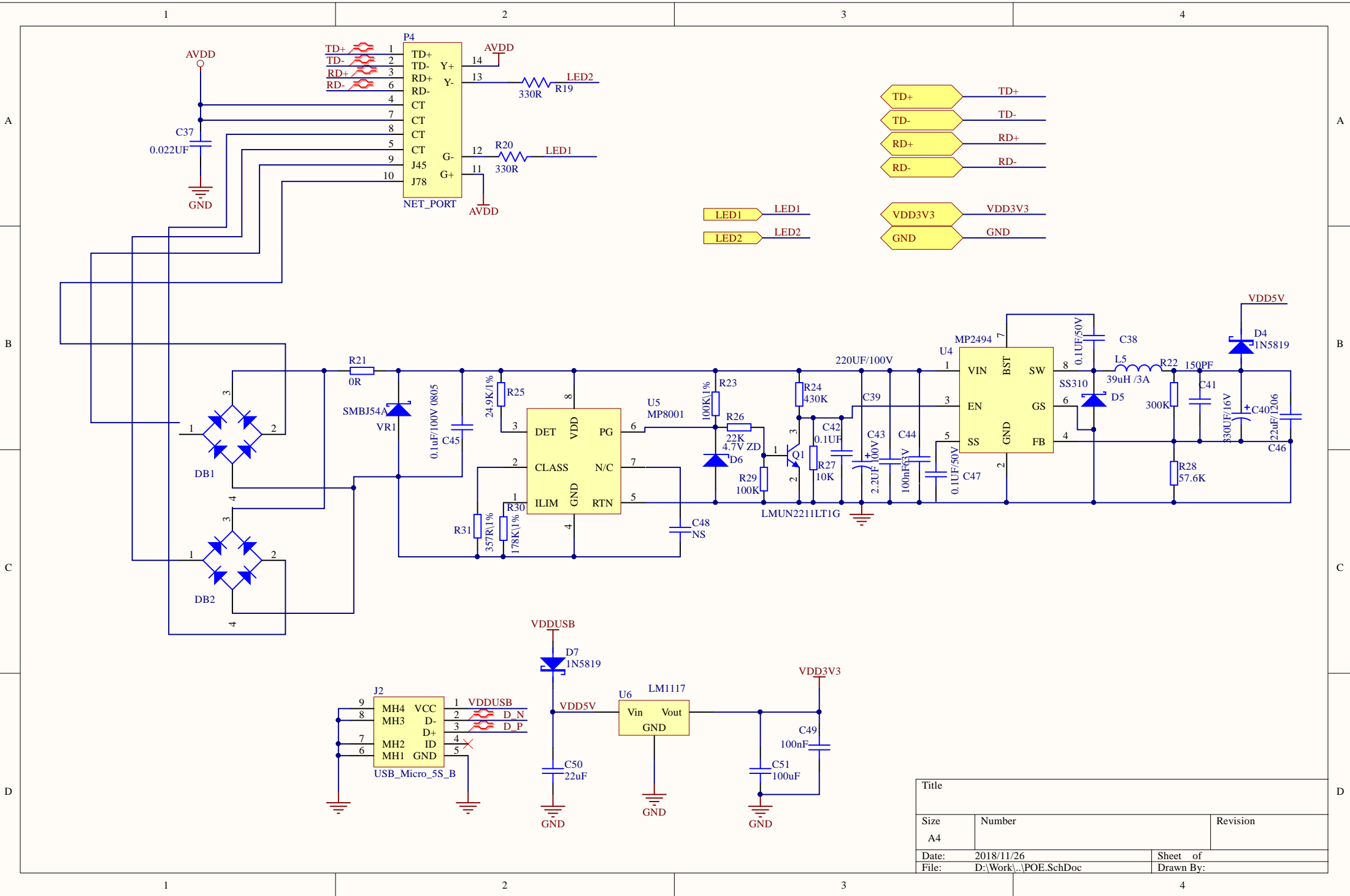


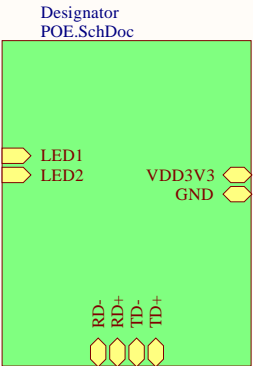
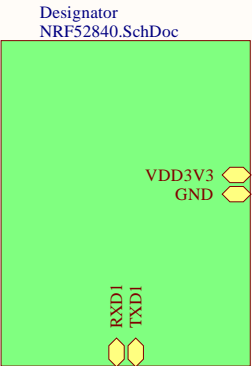
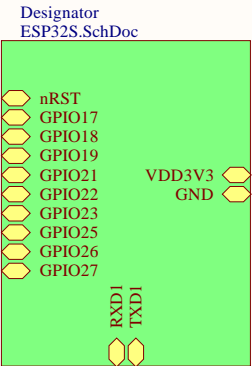
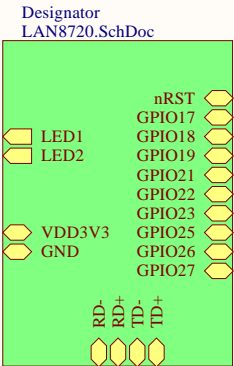
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Title		
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Date:	2018/11/26	Sheet of
File:	D:\Work\LAN8720.SchDoc	Drawn By:



Title		
Size	Number	Revision
A4		
Date:	2018/11/26	Sheet of
File:	D:\Work\...\POE.SchDoc	Drawn By:



Title			
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Date:	2018/11/26		Sheet of
File:	D:\Work\..\Sniffer_Ethernet.SchDoc		Drawn By:

Comment	Description	Designator	Footprint	Library	Quantity
1µpf	Capacitor, NPO, ± 2%	C1, C5, C10, C12	CAPC0603A03L_C	CC001-12p	4
1µpf	Capacitor, X7R, ± 10%	C2, C8	CAPC160806M	C0603-1µp	2
47nf	Capacitor, X5R, ± 10%	C3	CAPC0603A03L_C	CC001-47n	1
N/C	Not mounted	C4, C11, C15	CAPC0603A03L_C	CC001-N/C	3
1000pf	Capacitor, X5R, ± 10%	C6, C7, C17, C24, C26, C37, C38	CAPC0603A03L_C	CC001-100n	7
100pf	Capacitor, NPO, ± 2%	C9	CAPC0603A03L_C	CC001-100p	1
1µpf	Capacitor, NPO, ± 2%	C13, C14	CAPC0603A03L_C	CC001-1µp	2
1µpf	Capacitor, NPO, ± 1µpf	C16	CAPC0603A03L_C	CC001-1.5p	1
820pf	Capacitor, X7R, ± 10%	C18	CAPC0603A03L_C	CC001-820p	1
4.7µf	Capacitor, X5R, ± 10%	C19, C23	CAPC160806M	C0603-4µ/7	2
N/C	Not mounted	C20, C21	CAPC100504M	C0402-N/C	2
4.7µf	Capacitor, X5R, ± 10%	C22	CAPC100504M	C0402-4µ/7	1
10µf	Capacitor, X7R, ± 10%	C25	CAPC0603A03L_C	CC001-10n	1
47µpf		C28	CC0402	C	1
10k Low ESR		C31	CC0402	C	1
10k		C32	CC0402	C	1
10k		C33, C34, C36	CC0402	C	3
1000pf/2kV	Surface mount capacitor 0402	C35	EA3216	SMT_C_0402	1
0.022µF	Surface mount capacitor 0402	C37	EA3216	SMT_C_0402	1
0.1µF/50V	Surface mount capacitor 0402	C38, C47	0603C	SMT_C_0402	2
220µF/100V	Polarized Capacitor (Surface Mount)	C49	CAPC2012L	Cap P63	1
100µF/16V	Polarized Capacitor (Surface Mount)	C40	CAPC2012L	Cap P63	1
10µF	21	C41	0603C	SMT_C_0402	1
0.1µF	Surface mount capacitor 0402	C42	0603C	SMT_C_0402	1
2.2µF 100V	Surface mount capacitor 0402	C43	1206-CAP	SMT_C_0402	1
100µF/3V	Surface mount capacitor 0402	C44	0805	SMT_C_0402	1
0.1µF/100V 0805	Surface mount capacitor 0402	C45	0805	SMT_C_0402	1
22µF/1.25v	Surface mount capacitor 0402	C46	1206-CAP	SMT_C_0402	1
N/S	Surface mount capacitor 0402	C48	0603C	SMT_C_0402	1
100pf	Surface mount capacitor 0402	C49	0603C	SMT_C_0402	1
22uf	Surface mount capacitor 0402	C50	1206-CAP	SMT_C_0402	1
100uf	Surface mount capacitor 0402	C51	EA3216	SMT_C_0402	1
	Ultra low capacitance double rail-to-rail ESD protection diode	D1	SOT110P230X110-4L	PRTR0V002X	1
0050C	TVS Diode	D2, D3	0805E-1206	TVS	2
1N5819	Surface mount Schottky diode DO-214AC004M Package	DA, D7	SOD-323	SMT_DIODE_SCHOT TRX DO-214AC	2
2S11F	Schottky Diode	D6	DO-214AA	D Schottky	1
0.7V ZD	0805-2 0805	D6	0805E-1206	Diode-2	1
MB10F	整流管	DB1, DB2	0805E-SMA	MB10F	2
120R0.05A	Power Bead, 120 Ohm @ 100kHz, 800mA, 150 mOhm Max	FB1	INDC060303L_C	FR001-120R@100M-800mA	1
RLMT18AG100EN10		FB3	IND_C082516_MMX	INDUCTOR	1
Header 4	Header, 4-Pin	H1, P1	HDR1X4	Header 4	2
USB_Micro_B5_B	USB micro female SMT with a fixed foot	J2	PCL10118194-0001	USB_Micro_B5_B	1
CONFG	SMT Tactile Switch 6T3, 800 Ssd Series	K1	SW-2144 -	SMT_SW_PTS_820	1
15seer	Inductor, 500nH ± 1%	L1	INDC100504HL	L0402-15n	1
10µH	Inductor, 80mA ± 10%	L2, L4	INDC160806M	L0603-10n	2
3.9nH	Inductor, 400mA ± 0.1µH	L3	INDC060303L_C	L001-39n	1
10µH/3A	Inductor	L5	INDC1005L	Inductor	1
400	SMT LED	LED1	0603D	SMT_LED_0603	1
Header 4x2	Header, 4-Pin, Dual Row	P3	HDR1X4	Header 4x2	1
Header 3	Header, 3-Pin	P3	HDR1X3	Header 3	1
NET PORT		P4	90030Y16M	NET_PORT	1
LMUN2211U1TG	耐压22V 1.1uF 超容	Q1	ROT-23	BCP48	1
0R	Resistor, ±1%, 0.05W	R1, R29	RESC060303L_C	RC001-0R	2
10k	Resistor, ±1%, 0.05W	R2	RESC060303L_C	RC001-10k	1
10k	Surface mount resistor 0402	R3, R4, R27	0603R	SMT_R_0402	3
470	Surface mount resistor 0402	R5	0603R	SMT_R_0402	1
49.9 Ohms 1%		RA, R7, R8, R9	CC0805	RESISTOR	4
0R		R10, R11, R12, R13	CC0805	RESISTOR	4
0.0R		R14, R16	CC0805	RESISTOR	2
1.5k		R15	CC0805	RESISTOR	1
10k		R17	CC0805	RESISTOR	1
12.1k		R18	CC0805	RESISTOR	1
100k		R19, R20	CC0805	RESISTOR	2
0R	Surface mount resistor 0402	R21	1206	SMT_R_0402	1
100k	Surface mount resistor 0402	R22	0603R	SMT_R_0402	1
100k/1%	Surface mount resistor 0402	R23	0603R	SMT_R_0402	1
430k	Surface mount resistor 0402	R24	0603R	SMT_R_0402	1
34.9k/1%	Surface mount resistor 0402	R25	0603R	SMT_R_0402	1
12k	Surface mount resistor 0402	R26	0603R	SMT_R_0402	1
57.4k	Surface mount resistor 0402	R28	0603R	SMT_R_0402	1
100k	Surface mount resistor 0402	R29	0603R	SMT_R_0402	1
178k/1%	Surface mount resistor 0402	R30	0603R	SMT_R_0402	1
1078k/1%	Surface mount resistor 0402	R31	0603R	SMT_R_0402	1
HRFS2840-QM4A	Multi-protocol Bluetooth Low Energy, 433, 402, 2.4, 4, ANT and 2.4GHz proprietary system-on-chip	U1	ACFN10P100X700X00-LP6-74N	HRFS2840-QM4C0	1
ESP-32S		U2	ESP-32S	ESP-WROOM-03	1
LAN8720		U3	UGA12850P4X4_200	LAN8720	1
MP2494	5A, 55V, 100kHz Step-Down Converter	U4	SHCH_N	MP2494	1
MPR001	Powered Device (PD) Controller	U5	SHCH_N	MPR001	1
LM1117	Voltage Regulator	U6	T0254P1510-3.4N	Volt Reg	1
DM8050A	Schottky Diode	VB1	DO-214AA	D Schottky	1
32MHz	XTAL 32M0 2016, 12MHz, Cr-Reg, 1st ±10ppm, Sub: ±10ppm	X1	BT_XTAL_2016	XTAL_SMD2016_33 MHz_Bp_Murata	1
32.768kHz	XTAL 32M0 2012, 32	X2	XTAL_2012	XTAL_SMD2012_32	1